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SYT5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14064c

Specification

SYT5 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O00445
Other Accession	NP_003171.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42900**
Antigen Region	**138-167**

SYT5 Antibody (Center) - Additional Information

Gene ID 6861

Other Names
Synaptotagmin-5, Synaptotagmin V, SytV, SYT5

Target/Specificity
This SYT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the Central region of human SYT5.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SYT5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SYT5 Antibody (Center) - Protein Information

Name SYT5

Function May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of

vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface (By similarity).

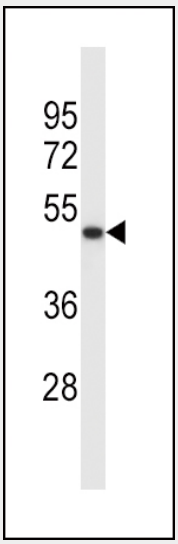
Cellular Location
Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass membrane protein. Recycling endosome membrane; Single-pass membrane protein. Note=In mast cells, localizes to the endocytic recycling compartment.

SYT5 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SYT5 Antibody (Center) - Images



SYT5 Antibody (Center) (Cat. #AP14064c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the SYT5 antibody detected the SYT5 protein (arrow).

SYT5 Antibody (Center) - Background

SYT5 may be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface (By similarity).

SYT5 Antibody (Center) - References

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Sreenath, A.S., et al. Clin. Biochem. 38(5):436-443(2005)
Mizutani, A., et al. J. Biol. Chem. 275(13):9823-9831(2000)
Craxton, M., et al. FEBS Lett. 460(3):417-422(1999)
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